



Davide Selva

ENVIRONMENTAL ENGINEER

CONTACT INFORMATION



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SUMMARY

Environmental Engineer with a background in Planning and Management of Natural Resources and a multidisciplinary foundation in sustainability topics. Specialized in environmental and predictive modelling, with skills in data analysis and programming. Experienced in the study of climatic and hydrological systems, the integration of machine learning approaches, and uncertainty analysis in climate change scenarios. Strong interest in renewable energy, water and waste management, air pollution modelling, and GIS tools for environmental planning. Motivated to apply innovative methods to address the challenges of ecological transition and sustainable resource management, with determination, reliability, teamwork attitude, and driven by curiosity and critical thinking.

EDUCATION

MSc Environmental Engineering - Natural Resources Planning & Management

Politecnico di Milano

Sep 2022 - Jul 2025

The final year was dedicated to the Master's thesis, focused on the comparison between two energy-environmental models and on the improvement of the hydropower component of one of them: PyPSA-Earth.

Final Score: 105/110

BSc in Environmental Engineering

Politecnico di Milano

Sep 2019 - Sep 2022

Final Score: 104/110

Niccolò Machiavelli Scientific High School, Pioltello (MI)

Final Score: 100/100

Sep 2014 - Jun 2019

SKILLS

- Python / MATLAB / C / Rstudio
- Microsoft Excel
- LaTeX
- QGIS
- PyPSA-Earth: Open-source tool for large-scale energy system modelling and optimization.
- HEC-RAS: Software for hydraulic modelling of rivers and floodplains.

LANGUAGES

- Italian: Native
- English: B2 level
 - TOEIC (2022): Score 910/990
 - TENG (2018): Score 29/30
 - Cambridge First (FCE, 2018): Grade C (B2)